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ORIGINAL

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February 16, 1995

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554
STOP CODE: 1170

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FEB 16 1995

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF SECRETARY

Re: Ex Parte Communication **DOCKET FILE COPY ORIGINAL**
PR Docket No. 93-61
Location and Monitoring Service Rules

Dear Mr. Caton:

This afternoon, Charles M. Taylor, President of Pinpoint Communications, Inc., McNeil Bryan, President of Uniplex Corporation, and David E. Hilliard and I of Wiley, Rein & Fielding met with David Siddall, Legal Assistant to Commissioner Susan Ness, and Ronald F. Netro, Jay Jackson, Robert James, and Thomas Dombrowsky, of the Wireless Radio Bureau. Mr. Taylor, in cooperation with Mr. Bryan, presented to Messrs. Siddall, Netro, Jackson, James, and Dombrowsky a demonstration of time-sharing between Pinpoint's ARRAY™ system and Uniplex's Spydernet™ system, as they are currently deployed in Washington, D.C. Mr. Taylor discussed generally the reasons why time sharing would be practical and enhance the efficient utilization of any multilateration LMS sub-bands set aside in the 902-928 MHz band.

Attached are copies of the materials Pinpoint made available at the meeting, which describe the time-sharing demonstration.

An original and one copy of this letter and its attachments are being filed with the Secretary.

No. of Copies rec'd 021
List A B C D E

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Should there be any questions concerning this matter, please contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'E. Yorkgitis, Jr.', written in a cursive style.

Edward A. Yorkgitis, Jr.
Counsel for Pinpoint
Communications, Inc.

Attachment

cc: David Siddall, Esq.
Mr. Ronald F. Netro
Mr. Jay Jackson
Mr. Robert James,
Mr. Thomas Dombrowsky

Time Sharing Demonstration

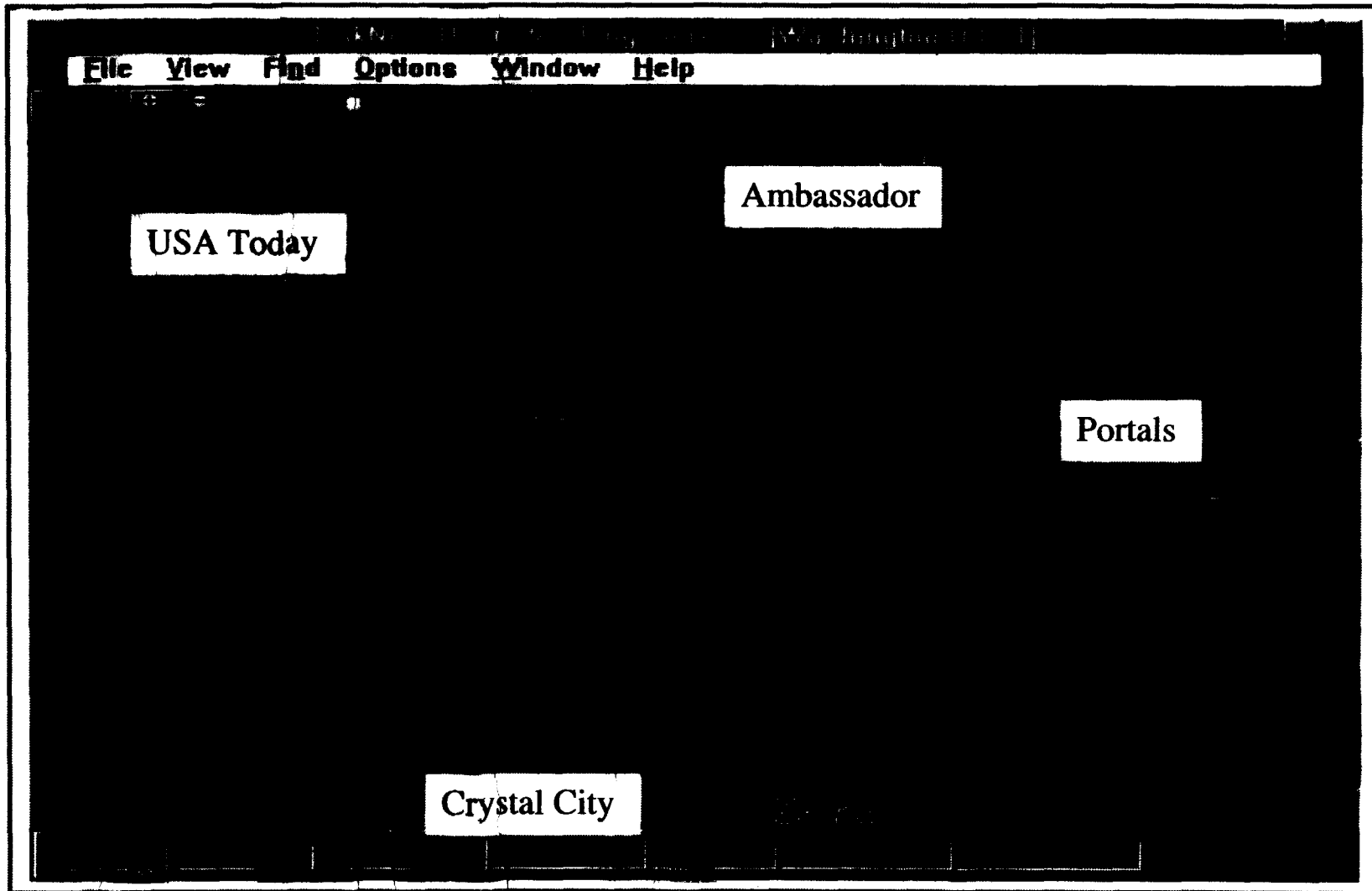
Pinpoint - Uniplex

February 16, 1995

Time Sharing Demonstration

- **Pinpoint ARRAY™ System**
 - 4 Base Stations
 - 912 to 928 MHz
- **Uniplex® Spydernet™ System**
 - 4 Base Stations
 - 918 to 926 MHz
- **Round Robin Sharing**
 - Pinpoint 0.5 Second
 - Uniplex 1.0 Second
- **Systems Operating Independently**
 - No Modifications to Either System as Designed
 - Synchronization to Timing Signal at 1.5 Second Intervals

Physical Layout

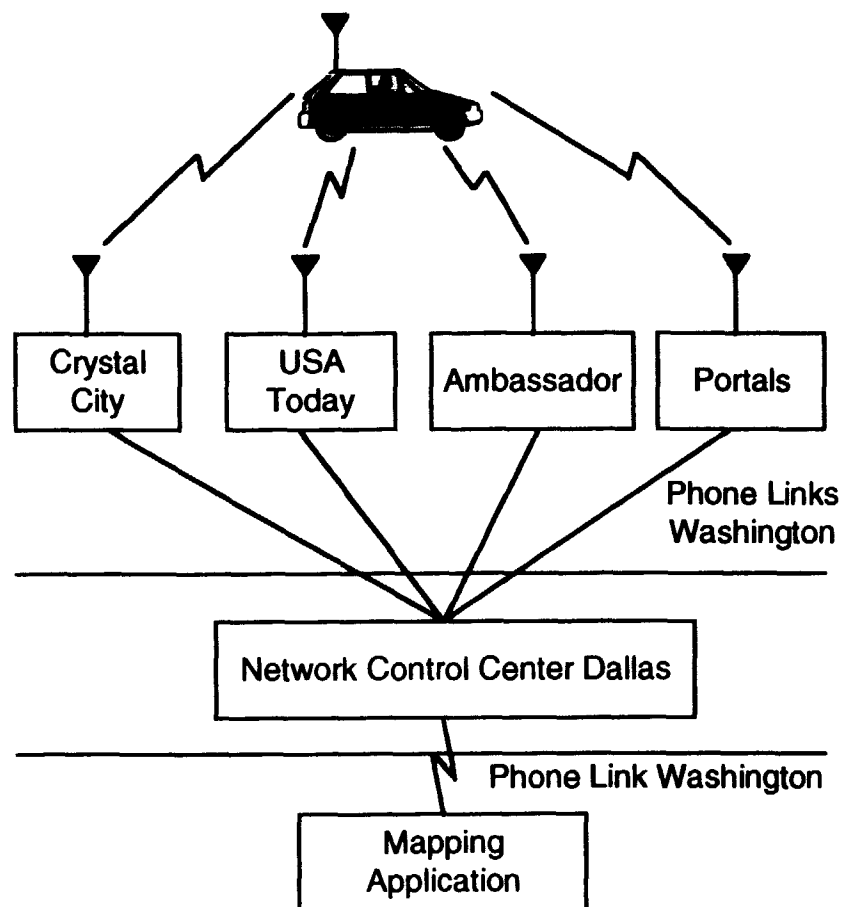


Pinpoint and Uniplex Colocated at Each Site

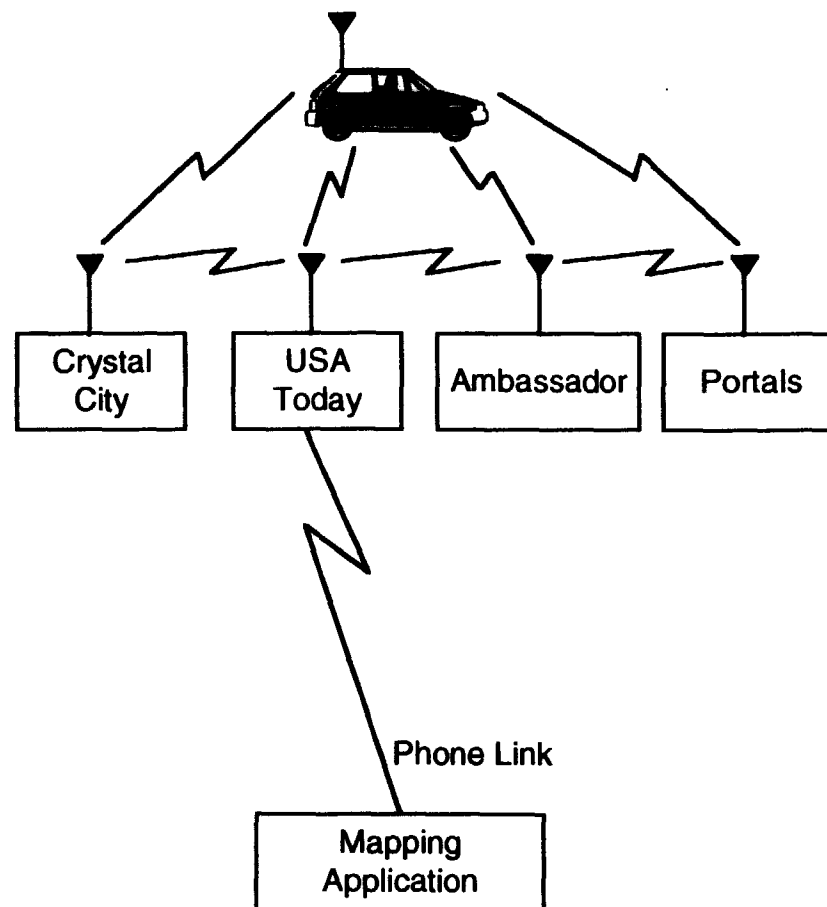
Pinpoint
COMMUNICATIONS, INC.

System Configurations

Pinpoint ARRAY™



Uniplex



Potential Time Sharing Options

- **Round Robin Time Sharing**
 - Each System Gets a Time Slice of Predetermined Length at Regular Intervals
 - Common Timing Reference
 - » *e.g.*, GPS (Sub-Microsecond Timing Available)
- **System Arbitrator**
 - LMS Systems Request Airtime By Location
 - Arbitrator Allows Dynamic Frequency Re-Use Based on Instantaneous Demand
 - Arbitrator Allows Higher Efficiencies for all Systems